

What is claimed is:

1. An information processing apparatus comprising:
a main body having first contact-free sensor means;
a display unit having a display panel and second contact-free sensor means;

a hinge having axes of rotation in two directions for coupling the main body and the display unit; and

a display processor for rotating the display of the display panel,

wherein at least either the first contact-free sensor means or the second contact-free sensor means sends a first signal to the display processor when the first contact-free sensor means and the second contact-free sensor means are placed face to face; and

wherein the display processor rotates the display of the display panel according to the first signal.

2. The information processing apparatus of claim 1,
wherein the first contact-free sensor means is composed of a magnetic sensor;

wherein the second contact-free sensor means is composed of a magnet; and

wherein the second contact-free sensor means is provided at the free end of the display unit.

3. The information processing apparatus of claim 1,
wherein the first contact-free sensor means is composed of
a magnet;

wherein the second contact-free sensor means is composed
of a magnetic sensor; and

wherein the second contact-free sensor means is provided
at the free end of the display unit.

4. The information processing apparatus of claim 1,
wherein the first contact-free sensor means and the second
contact-free sensor means are incorporated in at least one of
the main body and the display unit.

5. The information processing apparatus of claim 1,
further comprising:

an power saver for saving energy of the display panel,
wherein the main body further include third contact-free
sensor means;

wherein at least either the third contact-free sensor means
or the second contact-free sensor means sends a second signal
to the power saver when the third contact-free sensor means and
the second contact-free sensor means are placed face to face;
and

wherein the power saver cuts off the power source of the

display panel according to the second signal.

6. The information processing apparatus of claim 5,
wherein the first contact-free sensor means and the third
contact-free sensor means are composed of magnetic sensors;
wherein the second contact-free sensor means is composed
of a magnet; and
wherein the second contact-free sensor means is provided
at the free end of the display unit.

7. The information processing apparatus of claim 5,
wherein the first contact-free sensor means and the third
contact-free sensor means are composed of magnets;
wherein the second contact-free sensor means is composed
of a magnetic sensor; and
wherein the second contact-free sensor means is provided
at the free end of the display unit.

8. The information processing apparatus of claim 5,
wherein the first contact-free sensor means, the second
contact-free sensor means, and the third contact-free sensor
means are incorporated in one of the main body and the display
unit.

9. The information processing apparatus of claim 8,

wherein the first contact-free sensor means, the second contact-free sensor means, and the third contact-free sensor means are, in case that they are incorporated in the display unit, positioned nearly in the middle in the thickness direction of the display unit.

10. The information processing apparatus of claim 1, wherein the display panel serves also as an input tablet.

11. The information processing apparatus of claim 1, wherein an angle that the display processor rotates the display of the display panel is 180°.